

OPERATION AND MAINTENANCE MANUAL

LF125 MOTORCYCLE OWNER'S MANUAL



REGISTERED NO.0399A0004



REGISTERED NO.99A216



力帆·麦达

CHONGQING LIFAN&HONGDA INDUSTRY(GROUP) CO., LTD

OPERATION AND MAINTENANCE MANUAL

Preface

Thank you for your purchasing the motorcycle. May you enjoy the driving all the time.

The manual contains the necessary instructions and guidance with respect to the operation and maintenance of the motorcycle, please read it carefully before your driving. Proper operation and maintenance can guarantee a safe driving to minimize troubles of the motorcycle and keep it at an optimal performance, which can extend service life of the engine. Our service stations are waiting to provide technical inquiry and after-sales service.

The technical datas in the manual are the latest, we reserve absolute right to amend them.

Please check carefully the product nameplate, VIN recorder recorder and the code of the engine at the motorcycle, which you have bought, they are helpful for you to get a driving license and future maintenance.

LF125 motorcycle is subject to the standard Q/LF20010-1999(registered No:QB500106/279-1999)

ISO9001 Quality System, registered No certificates the company: 0399A0004

The National Import & Export Enterprises Quality System, registered No certificates the company: 99A216



Caution

- It may cause accidents or damage of parts if instructions in the manual and the national traffic regulations are not obeyed or driving in abnormal circumstances.
- The manual is one basic attachment of the motorcycle, it should follow the motorcycle when transferred to other one.
- We reserve the copyright of the manual, no copy or reproduction of the manual or any part of it may be made without the prior written approval of LIFAN company, LTD.

Please note: the motorcycle can load one driver and one passenger with a max loading mass of 150kms.

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Safe driving

Regulations of safe driving

1. The driver must possess him of a driving license by the traffic administration, and lending the motorcycle to other one without a driving license is forbidden.
2. Before a driving, the motorcycle must be checked carefully to ensure that it's in good condition, or accidents as well as damage of parts may happen.
3. To avoid accidents during a driving, please pay your attention to the following:
 - ① Wear observable clothes. Do not wear loose clothes.
 - ② Obey the national and local traffic regulations.
 - ③ Keep proper distance from other vehicles and operate signal lamps, horn etc correctly.
 - ④ Do not make over-speed driving.
 - ⑤ Turning or changing your driving channel, please turn on the wipers to draw other drivers' attention.
 - ⑥ Be careful especially when at a crossroads, the entrance of a parking lot or a automobile channel.
 - ⑦ During a driving, grasp the steering bar with feet on footrests while the passenger grasp the rear handrail with feet on sub-footrests.

Protective devices

1. Wear a helmet, a face shield, a pair of dust glasses, a pair of gloves etc so as to ensure a safe driving.
2. Riders should wear long boot or clothes shielding their legs to keep from being burnt, for the temperature of the exhaust muffler is very high during the driving.
3. Do not wear loose clothes, for it may hook the steering bar, kick-starter, footrests ect.

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Refitting

Caution

Do not refit or replace the original parts of the motorcycle illegally.
please inform us of your propose in refitting , we will appreciate it.

Loading

1. Loaded goods within the allowable mass limit should be fixed firmly and properly on the motorcycle to keep the balance of it or it may affect the steering of the motorcycle.
2. Adjust tyre pressure according to the loaded goods mass.
3. Do not hang big and heavy thing to the steering bar, or steering of the motorcycle may become difficult and dangerous.

Accessories

Acessories produced by the company have been designed specially and have been tested, other accessories produced by other companies, which haven't been tested in our company, are beyond our responsibility.

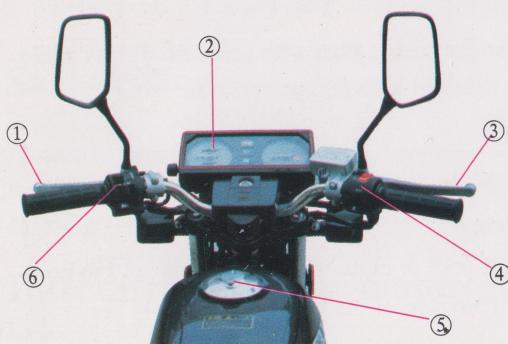


Fig.1

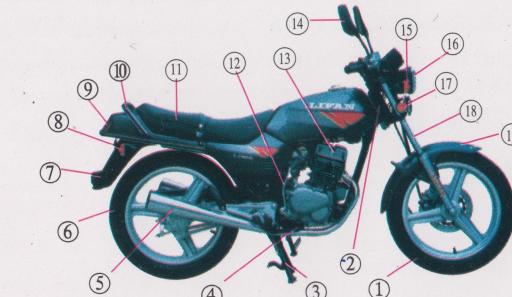
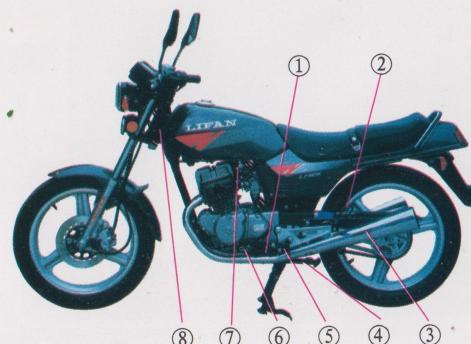


Fig.2



Locations of parts

- ① Front wheel
- ② VIN
- ③ Main stand
- ④ Rear brake lever
- ⑤ Right exhaust muffler
- ⑥ Rear wheel
- ⑦ Rear fender
- ⑧ Rear winker
- ⑨ Tail lamp
- ⑩ Rear handrail
- ⑪ Seat
- ⑫ Kick-starter
- ⑬ Engine
- ⑭ Rear view mirror
- ⑮ Front winker
- ⑯ Head light
- ⑰ Front reflector
- ⑱ Front shock absorber
- ⑲ Front fender

- ① Gear lever
- ② Sub-footrest
- ③ Left exhaust muffler
- ④ Side stand
- ⑤ Front footrest
- ⑥ Engine code
- ⑦ Fule cock
- ⑧ Nameplate

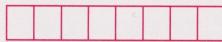
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VIN

1.VIN recorder



2.Code of Engine



Note

- ① Code of the engine is impressed on the lower section of the left of the crankcase.(Fig.3)
- ② VIN recorder is impressed on the right of the steering stem pipe.(Fig.4)
- ③ Vehicle nameplate is impressed on the left of the steering stem pipe.(Fig.5)



Code of the engine:

Fig.3



VIN recorder

Fig.4



Nameplate

Fig.5

Meters (Fig.6)

- ① Speed indicator (Odometer, mileage recorder)
- ② High beam indicator
- ③ Tachometer(r/min), Do not drive the vehicle within the range for long time, or may shorten service life of the engine.
- ④ Winker indicator
- ⑤ Ignition lock
- ⑥ Neutral gear indicator.
- ⑦ Reset knot for odometer

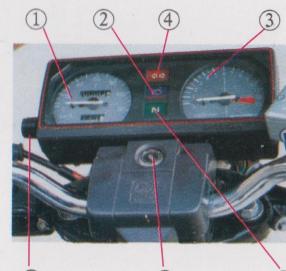


Fig.6

Ignition Lock

The ignition lock is located in the middle of the meter plate.

OFF“”: means that the circuit is off, the

engine can't start and the ignition can be pulled out.

ON“”: means that the circuit is on, the engine can start while the indicator for gear position is bright, and the ignition key can't be pulled out.

Steering Lock

Turn the winker handle to the end of the left, turn the ignition key counterclockwise to the steering lock to lock the steering stem, now the key can be pulled out. If you want to open the lock, please turn it clockwise.

Seat lock

It is on the right low section of the seat, if you want to open it, please turn the ignition key counterclockwise 90° .

Fuel Cock

The fuel cock is situated at the lower section of the left of the fuel tank, it has three positions (Fig.7, 8, 9).

ON“”: turn the fuel switch to ON“”, then the oil circus is on.

OFF“”: turn the fuel switch to OFF“”, then the oil circus is cut off.

RES“”: turn the fuel switch to RES“”, then the reserve oil tank begins to work. Since the reserve oil is only 1.5 L, please refill it as soon as possible.



OFF

Fig.7



ON

Fig.8



Reserve

Fig.9

Selection of the fuel

Fuel is a key factor in deciding the amount of the exhaust emissions and the selection of the fuel has to follow the regulations in the manual.

Selected fuel must contain no lead or little lead such as fuel RQ-90# or fuel of the number over 90#.

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Volume of the fuel tank is 13.5 liters and volume of the reserve tank is 1.5 liters.

Note

- Do not fill gasoline over the tank mouth and lock the tank well after filling.
- As gasoline is flammable, be sure to stop the engine before a filling and make the filling in a well-ventilated place without smoking and any fire resources.
- The fuel must be filtered before a filling by filter gauze.
- After a filling, don't remain the cock lever at the position of "RES", or the fuel of the reserve tank will be used up.



Fig.10

Left handle of the steering bar(Fig.11)

Left handle is at the left end of the steering bar. Set the beam switch ① to “” to get high beam while set it to “” to get low beam.

The button of the Winkers switch ② is located below the beam switch. “” on the winkers switch means left and “” means right, pushing the button to the two positions will make winkers flash; when the button is at “”, the winkers go out.

Press the horn button ③ down to sound the horn.

“”: press the overtaking lamp button to flash the overtaking lamp.

- ① Beam switch
- ② Winkers switch
- ③ Horn button
- ④ Choke lever(CB engine)
- ⑤ Overtaking lamp button

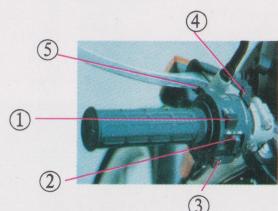


Fig.11

Right handle of the steering bar(Fig.12.)

The right handle is situated at the right end of the steering bar. When the

headlight switch ⑥ is at “”, the headlight and taillight are bright; when at “”, the position lamp is bright; when at “”, the headlight, the taillight and position lamp are off.

The engine kill button ⑦ is used for starting and stopping the engine. When the button is set to “”, the engine can start; when at “”, the engine stops.

Start button ⑧ is used for starting the motor. Ensure that the startability is within 10 seconds.

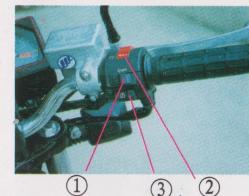


Fig.12

Selection of lubricating oil(Fig.13)

The quality of the lubricating oil plays vital role in deciding the performance and service life of the engine, so the lubricating oil must be selected by the regulations and other oils such as ordinary engine oil, gear compound and vegetable oil are forbidden to be used.

The vehicle has been filled with the lubricating oil of 15W/40QE class in the company, and if use other lubricating oil instead, the alternative must be technically equivalent in every respect. Viscosity varies with regions and temperatures, so the lubricating oil has to be selected according to our recommendation table (see Fig.14). Before replacing lubricating oil, please drain the oil out completely remaining in the crankcase, and clean the inside by kerosene of detergent, then fill new lubricating oil.

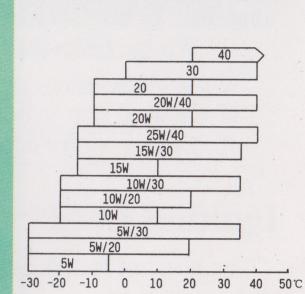


Fig.13

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If the gasoline engine oil of 15W/40QE class can't be obtained when in need, the gasoline engine oil of HQB-10#(HQB-6# in winter) may be used instead.

Tyres

Correct tyre pressure will ensure not only the motorcycle at an optimal stability for driving but also comfort on driving and extended life of a tyre.

Cold Tyre Pressure(kpa)		
One Driver	Fr.Tyre:200	Rr.Tyre:200
One Driver & one Passenger	Fr.Tyre:200	Rr.Tyre:225
Tyre Specification	Fr.Tyre 3.00-18-47P, 4PR	Rr.Tyre 3.25-18-52P, 4PR

Caution

Using tyres worn seriously is extremely dangerous, it will do harm to these aspects in draft load, stability, turning and steering of a drive. Incorrect tyre pressure may create abnormal tread wear and tear to cause accidents. Insufficient air pressure of tyres may make tyres damaged or dropped from wheels.

Note

Before a driving, inspect tyre pressure in cold state of the tyre so as to make sure that no nail or other sharp-pointed things stabbing inside the tyre, inspect the tyre for distortion. If damage of any kind occurs, please go to our service station for help.

When the tread depth in the middle section of a tyre reaches the following limits, please replace the tyre.

Minimum tread depth	
Fr.tyre 1.5 mm	Rr.tyre 2.0mm

Instructions of driving

Inspection Before Driving

Inspecting before driving The motorcycle must be checked before being driven. The following check items only spend you a few minutes but may ensure you a safe driving.

1. Check the oil level of the lubricant for the engine-fill it when necessary and check and ensure that there is no any leakage.
2. Check the oil level of the fuel-fill fuel into the fuel tank when necessary and check and ensure that there is no any leakage.
3. Check both the front and rear brakes-check their working states, ensure to adjust them if the free running is too big or too small.
4. Check tyres-check tire pressure, wear and injury for both the front and rear tyres, if necessary, change them.
5. Check the electrolyte of the battery-check and ensure that the level of the electrolyte is suitable.
6. Check the throttle valve-check the throttle valve for operation; check the throttle control cable for connection and the throttle boot for free running, replace or adjust them if necessary.
7. Check illumination and horn-check and ensure that the headlight, taillight, winders and horn work well.
8. Check the drive chain-check the tightness and lubricating state. Please adjust it if necessary and replace it if worn or damaged seriously.
9. Check the steering system-check it for smoothness and reliability.
10. Check and ensure the bolts and nuts of the front and rear wheel axles, front and rear shock absorbers, and engine suspension are tight

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Start the engine(Fig.14)

Caution

To avoid accidents, be sure not to start the engine in a narrow place and not to start the engine during a gear changing.

1. Turn the level of the fuel cock to ON“”.
2. Insert the ignition key on the ignition lock and twist to “

Caution

1. When starting the engine by the kick-pedal, be sure not to tread the kick-pedal too violently, or it may bounce back to hurt your feet and the guard of the engine.
2. Starting the engine under a very low temperature, before the driving, please turn the crank shaft a few times with the kick-pedal, and at the time the ignition key should be turned to“

Fig.14

- ① Choke lever
A: Closed entirely
B: Half closed
C: Open entirely

Breaking-in

The breaking-in distance is 1000kms, which is vital for the performance and life of the engine. During breaking-in period, do not open the throttle completely and be sure to change the speed often.

(1) 0-150km Breaking-in

During the driving, be sure that the revolution of the throttle boot don't exceed one-fourth of its total revolution amount. Stop and cool the engine for ten minutes every half a hour to one hour's drive. Change speed and gear position of the vehicle continuously, ensure that don't drive it at one speed long time.

(2) 150-500km Breaking-in

During the driving, do not open the throttle boot over half of its total revolution amount. Driving with open-completely throttle is forbidden. Be sure to change speed and gear position often, and not to drive at an unchangeable speed for long time.

(3) 500-1000km Breaking-in

During driving, be sure not to rotate the throttle boot over three-fourth of its total revolution amount, and make sure that no super accelerating to make the throttle boot open completely by changing speed and gear position often.

Please go to our service station for technical inquiry and repairing when troubles of the engine occur during breaking-in period.

Caution

After the breaking-in period, be sure to conduct maintenance according to the maintenance schedule to keep the vehicle at an optimal state with high performance., and be sure to change lubricant and the lubricant filter of the engine.

Driving

1. Preheat the engine gradually.
2. In the case that the engine runs at its idle speed, separate the clutch and tread the gear lever to make the transmission at the bottom (first) gear.

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3. Increase the speed of the engine gradually and release the clutch lever slowly, make sure that the two steps above are coordinate so as to ensure an even starting.

4. When the motorcycle runs smoothly, decrease the speed of the engine and then separate the clutch, in the meantime, tread the gear lever to the second gear, Do the same when change to other gear.

5. When a emergency braking is in need, operate the throttle valve and the brakes well to decrease the speed steadily. When operating the front and rear brakes at the same time, be sure not with over strength to make a too sudden braking, which may reduce the braking effect to make the motorcycle difficult to control.

The motorcycle has been equipped with either of CG type engine and CB type engine, and the engine of each type with five-gearshift positions.

Warning

Gear changing is forbidden in the case that the clutch isn't separated and the throttle isn't closed a little, or it may damage the engine, the drive chain and other parts.

Gear mark(Fig.15)

Gearshift is forbidden in the case that the clutch isn't separated and the throttle isn't closed a little.



Maintenance

Check and replacement of the lubricating oil

Check the oil level (Fig.16) lower mark ③ .

Be sure to check the oil level of the lubricating oil before a driving.

There set a oil ruler ① with an upper mark ② and a lower mark ③ on the back of the right crankcase, the oil level must be between the upper mark ② and the lower mark ③ .

Locate the motorcycle on a flat ground; dismantle and clean the oil ruler and insert it to the oil (but not turn tight), then take it out to see the oil level. Fill the gasoline engine oil of 15W/40QE class up to the upper mark.

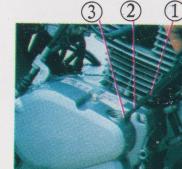


Fig.16

- ① Oil ruler
- ② Upper mark
- ③ Lower mark

Caution

Insufficient engine oil may cause damage of parts during a driving.

Replacement of the lubricating oil

Drain the lubricating oil when the engine is still hot.

Place an empty oil tray under the engine and screw off the drain plug; tread the kick-pedal several times to drain empty the oil; screw on the drain plug.

Fill about one liter of the oil of 15W/40QE class. Start and run the engine a few minutes, then stop it, check the oil level again, refill the oil if necessary.

Note

- 1. Change the oil more frequently under dusty circumstances
- 2. Any additive into the oil is forbidden.
- 3. Do not pour replaced oil at will, please handle it according to relative regulations with respect to the environmental protects.

Clear up the accumulated carbon

The accumulated carbon contained in the spark plug, the piston, and the burning chamber must be cleared up regularly by a technician.

Selection and replacement of the spark plug(Fig.17)

Selection of the spark plug:F7TC.

- 1. Take out and clean the cap of the spark plug, screw off the spark plug with the spark plug wrench contained in the tool bag.
- 2. Brush away the accumulated carbon and dirt around the spark plug with an iron wire brush, check if it is damaged and if electrodes are burnt down, replace it if necessary.
- 3. Check the clearance between the electrodes with a clearance gauge and adjust it to be between 0.6-0.8mm.
- 4. Check if the seal of the spark plug is in good condition, replace it if necessary.
- 5. When screw on the spark plug, to prevent the plug thread from being damaged, screw on it first by a hand, and then by a plug wrench.

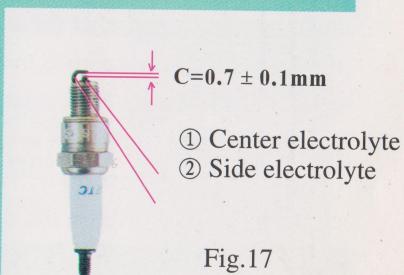
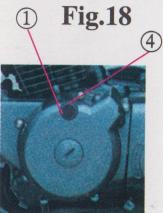


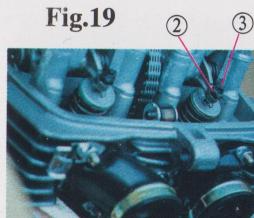
Fig.17

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Check and adjustment of the clearance of the valves(Fig.18,19)



① Oil opening view
② Lock nut
③ Adjustable screw
④ Indication symbol



Check and adjust the clearance of the valves Under cold state of the engine.

1.Dismantle Oil opening view ① , the cover of the engine and cylinder cap.

2.Rotate the roller of the magneto motor counterclockwise to make the mark“T” (on the left of the cycinder) in line with the indication symbol ④ . Touch the swing arm with your fingers to check if the piston is within the compressed stroke TDC. An arm swinging loosely indicates that the piston is at the point TDC of the compressed stroke, in the case that the arm swings tightly, rotate the crank shaft by 360 degrees and align the mark “T” to the indication symbol once more.

3.Insert a clearance gauze between adjustable screw ③ and the valve rod to check the clearance.

4.The standard clearance: 0.08mm for inlet and 0.08mm for outlet.

5.Screw loose the lock nut ② and then twist the adjustable screw. ③ to make an adjustment, after the adjustment, twist tight the lock nut 4 and then measure the clearance once more. Rotate the roller of the magneto motor counterclockwise by 180 degrees to make “T”(on the right of the cycinder) is in line with the indicition symbol ④ .

6.Do as the above steps of 3 and 4, you can make the adjustment of the clearance of the valve for the right cycinder .

Clean and install the air cleaner(Fig.20)

The air cleaner must be cleaned and immersed in cleansing oil at least

one time every 4,000kms' drive. If under dusty circumstances, the job should be done more often. Our service station will provide further information on the maintenance.

1. Dismantle the connecting screw ① , remove the cap ② of the air cleaner and take out the core.

2. Clean the core in a detergent and then dry it up.

3. Immerse the core in the gasoline engine oil of 15W/40QE class until the core is saturated with the oil, then squeeze out extra oil.

Check leakage

Check the connecting joints of air way according to relative regulations for leakage. If there is some, please repair or replace relative parts in time.

Check and adjustment of the throttle valve(Fig.21)

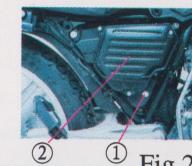
Rotate the throttle boot ① from its entirely-closed position to its entirely-opened position to see that the revolution is even. Keep the free running of the throttle boot between 2-6mm. When an adjustment of the free running is in need, screw loose the lock nut ② and then adjust it by the adjustable screw ③ .

Adjust the idle speed of the carburetor(Fig.22)

1. Start and preheat the engine till its temperature goes up a little.

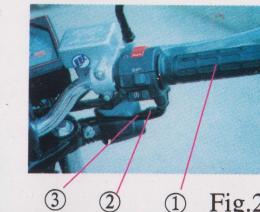
2. Turn the adjustable screw① to set the idle speed at 1,400r/min. Rotate the screw in the direction shown by (A) will increase the idle speed while will decrease it rotating the screw in the direction shown by (B).

① Connecting screw
② Cap of air cleaner

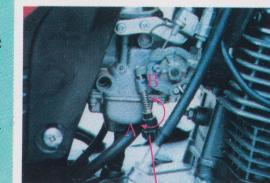


② ① Fig.20

① Throttle boot
② Lock nut
③ Adjustable screw



③ ② ① Fig.21



① Adjustable screw
Fig.22

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Adjust the clutch(Fig.23)

1. Keep the free running of the clutch lever between 10-20mm. When an adjustment is in need, turn loose the lock nut① located at the crankcase for the setting plate ② and make the adjustment.
2. Rotate the lock nut in the direction shown by (A) will decrease the free running.

3. By uncovering the dust rubber pipe covering the left handle and turning the nut with cylinder-typed tooth, you also can make the adjustment.

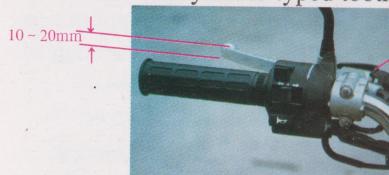


Fig.23



① ②

① Lock nut ② Setting plate ③ Dust rubber pipe

Check, adjust and lubricate the drive chain

Check the drive chain for wear and tightness, if it looks dry, please oil it. Erect the main stand to support the vehicle, pull the drive chain ① and press the section between the two wheels with your hands to test the tightness. Adjust the tightness to be between 10-20m(Fig.25).

Adjust the drive chain(Fig.24)

Screw loose the self-locked nut ② of the rear wheel axle and the nut ③ for the adjuster, turn the adjustable bolt ④ to keep both left and right adjusters at the mark ⑤ .

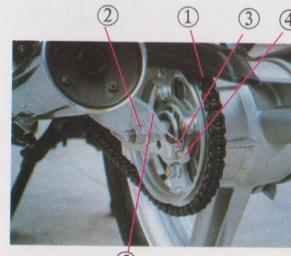


Fig.24

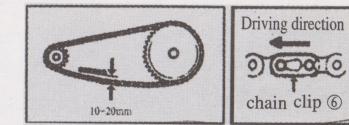
① Drive chain
② Self-locked nut
③ Nut for the adjuster
④ Adjustable bolt
⑤ Mark

9

Lubricate the drive chain(Fig.25)

Remove the chain clip⑥ to take out the chain, check it for wear. Clean the chain and lubricate it. If the chain is so damaged that it can't work normally, change it.

Fig.25



Check and adjust the front brake(Fig.26)

Grasp the clutch lever ① until feel an obvious anti-action, Keep its free running between 10-20mm.

Adjust the free running by rotating the adjustable nut at the front brake arm. Rotating it counterclockwise will increase the free running while will decrease it rotating the nut clockwise. After an adjustment, be sure to align the curved slot of the nut to the pin.

① Front lever



Fig.26

Check and adjust the rear brake(Fig.27)

The free running of the rear brake lever should be between 20-30mm.

Make an adjustment by adjust the adjustable nut③ of the rear brake arm②

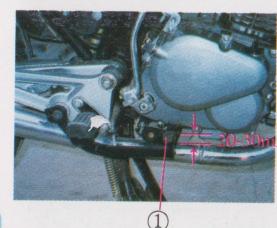
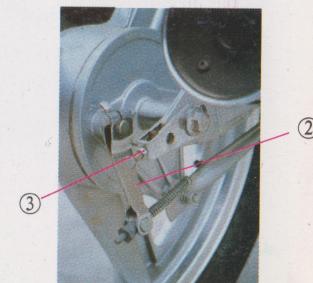


Fig.27

① Rear brake lever
② Rear brake arm
③ Adjustable nut



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Check the disc-shaped brake for the front wheel(Fig.28)

Locate the vehicle on a flat ground, check the main pump ①, the oil level on the oil view opening ②, if the oil level is below ③ the lower mark of the oil view opening, it indicates that the oil is reduced obviously and new brake oil should be filled. When the bolt ③ is screwed loose and the pump cover ④ is dismantled, you can fill the oil.

Caution

Fill the oil not over the upper mark of the oil view opening, and ensure that no other liquid or dirt get into the pump.

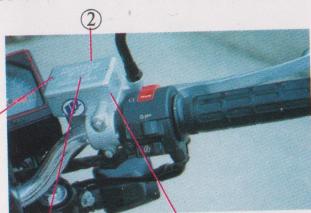


Fig.28
① Main pump
② Oil view opening
③ Bolt
④ Main pump cover

Fig.29 Sub-pump



Check the brake blocks(Fig.29)

Check them from the rear of the clamp for the sub-pump, in the case that the wear limit mark of the brake block meet the brake disc, a new brake block has to be installed instead of the old one.

Maintenance of the exhaust muffler

Clear away the accumulated carbon of the exhaust pipe according to relative regulations. Please replace the seal of the muffler with new one each time when the muffler has been dismantled.

Maintenance of the battery(Fig.30)

Maintain it by the maintenance schedule. Electrolyte level should be between the upper mark ① and the lower mark ②, if the level is too low, a proper amount of distilled water may be filled.

Replacement of the fuse

In the case that the fuse is burnt down, switch off the ignition, and then fix a new fuse of the same type instead of the old one. Turn on the relative switches to inspect if electrical units work well. If the new fuse is burnt



Fig.30

down again very quickly, it indicates that short circuit happens or the circuit is overloaded. Please turn off the ignition lock and all the switches and go to our service station for help.

Warning

A fuse with a rated current over or below the stipulated current may cause a wise range of damage to the electrical system and even a fire.

Before check or replace the fuse, be sure to turn off the ignition lock and all the switches to prevent from short circuit.

Wash the motorcycle

Wash and check the vehicle for injury, wear and oil leakage.

Note: do not spray the parts mentioned below under high pressure: ignition lock, electric switches, meters, wheel hubs, muffler outlet, lower section of the oil tank.

1. Wash the vehicle completely with a great deal of water.
2. Dry up the vehicle and start the engine to run several minutes.
3. Lubricate the drive chain.
4. Before a driving, try the braking system to make it in normal state.

Note

Within a short time after the wash, the vehicle's stopping ability may go down.

Guidance for storing the motorcycle

Some measures should be taken for storing a long term-unused vehicle so as to reduce the bad influence on its performance. Before the storage, make necessary maintenance to ensure the vehicle high performance after-storage.

1. Wash and dry up the vehicle and wax its surface.
2. Drain out the fuel inside the fuel tank and the carburetor, spray some antirusting agent into the tank.
3. Screw out the spark plug to fill a little of lubricant(about 15-20millilitre) into the cylinder; turn off the ignition lock and tread the kick-pedal several times to scatter evenly the oil inside the cylinder and then reinstall the spark plug.
4. Clear and oil the drive chain.
5. Dismantle the battery and store it in a dry, cool and well-ventilated place without being shone directly.

Caution

When dismantle the battery, dismantle the cathode conductor first, and then the anode conductor. When installing it, the procedure is just opposite. During

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the above operations, the ignition lock must be turned off.

6. Charge tyres up to the stipulated air pressure. Be sure that the front tyre, the rear tyre and the rear wheel do not touch ground directly.

7. Cover the vehicle with a piece of cotton cloth or well-ventilated material and store it in a well-ventilated place not being shone and rained.

Reuse the motorcycle after a long-term storage period

1. Take out the cover shielding the vehicle and clean it.
2. Check the voltage of the battery to make sure that the voltage reaches 12V, if not, make additional charge to meet the requirement, at last, install the battery.
3. Clear away the antirusting agent inside the fuel tank and fill new fuel instead.
4. Make inspection before a driving, try the vehicle in a safe place to ensure that it works well.

Tool kit(Fig.31)

Tool kit is supplied to benefit the rider in the journey.

- ① driver holder
- ② Double end screw driver
- ③ spark plug wrench
- ④ pliers
- ⑤ spanner 8 mm × 10mm
- ⑥ spanner 12 mm × 17mm
- ⑦ spanner 13 mm × 15mm
- ⑧ spanner 17mm × 19mm
- ⑨ tool bag

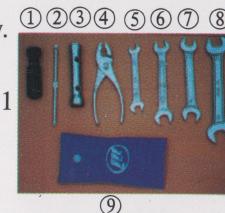


Fig.31

Contained tools are shown in. (Fig.31)

Troubleshooting

If the motorcycle has some troubles, please go to our service station for help.

Warning: not being initiated into professional knowledge with respect to the motorcycle, please do not dismantle or maintain the vehicle, for it is specially designed.

Maintenance schedule

The vehicle should be maintained regularly according to the maintenance schedule. Clean it thoroughly before the service.

Symbols in the schedule mean as follows:

I: check, wash, adjust, lubricate or replace C: wash, R: replace, A: adjust, L: lubricate

*: The item has to be serviced by our service station. If the user has repairing ability or has specific repair kit, he also may service it by himself.

**: For the safe sake, the item only can be serviced by our service stations.

Remarks

① Make washing more frequently in dusty circumstances.

② When read of the mileage recorder exceeds its limit range, maintenance of the vehicle still follow the maintenance schedule.

ITEM	Service period period	Item	Mileage recorder (remark ②)			
			1,000km	4,000km	8,000km	12,000km
*	Fuel system			I	I	I
*	Fuel filter			C	C	C
*	Throttle system			I	I	I
*	Choke of the carburetor			I	I	I
	Core for air cleaner	Remark ①		C	C	R
	Spark plug			I	R	I
*	Clearance of valves		I	I	I	I
	Lubricating oil for the engine	Every year	R	Every 3,000 km R		
	Filter gauze for lubricating oil	Every year R				C
*	Tightness of cam chain		A	A	A	A
*	Idle speed of the carburetor		I	I	I	I
	Drive chain		I,L	I,L	I,L	I,L
	Battery	Every month	I	I	I	I
	Brake shoes			I	I	I
	Braking system		I	I	I	I
*	Lamp switch for braking			I	I	I
*	Beam-changing system of the headlight			I	I	I
	Clutch		I	I	I	I
	Side stand			I	I	I
*	Suspension			I	I	I
*	Nuts, bolts & spokes		I		I	
**	Wheel/Spoke			I	I	I
**	Bearing for the steering bar		I			I

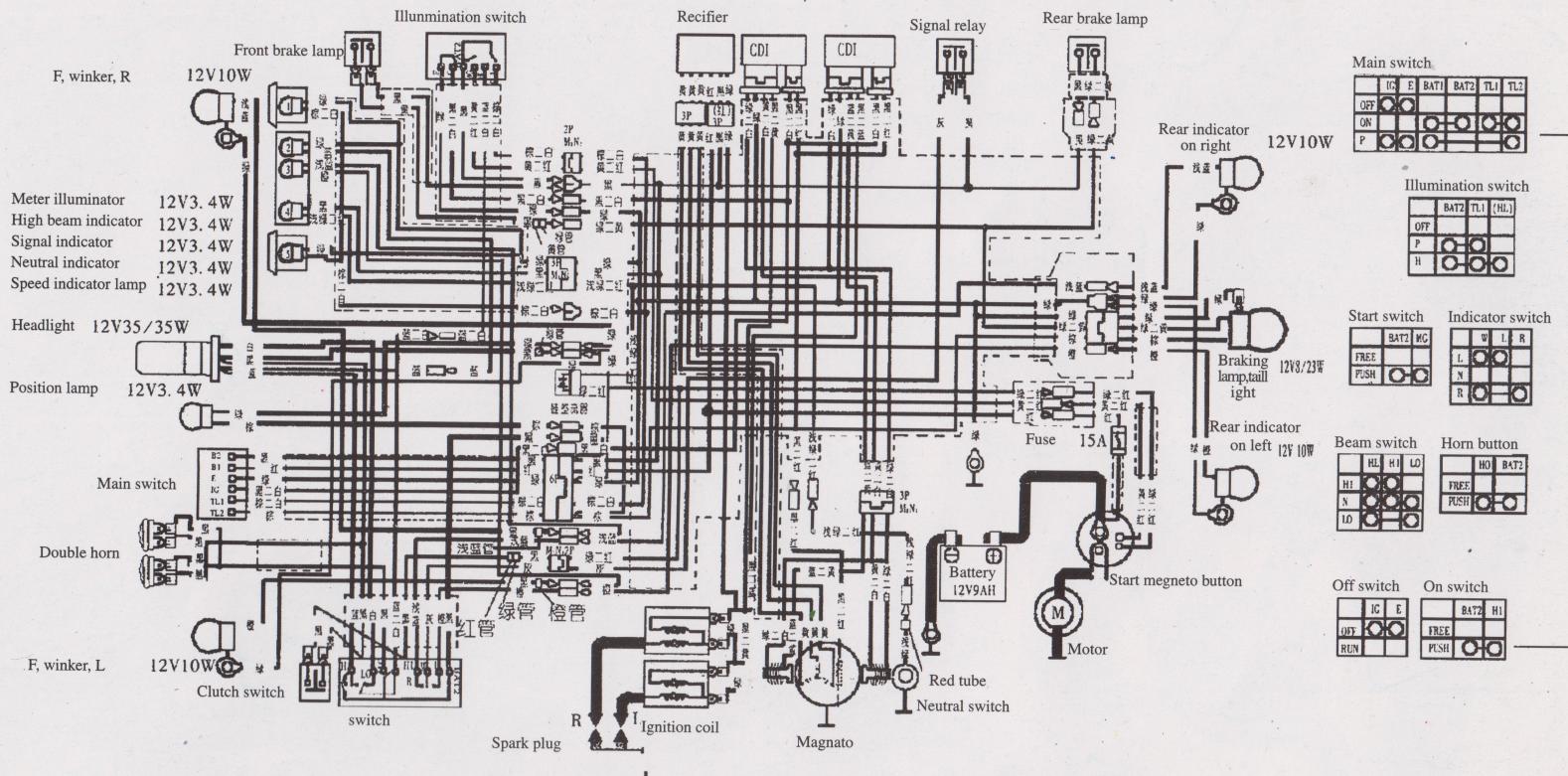
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Main Technical Datas

Item	Model	LF125	Item	Model	LF125
Overall length(mm)		2060	Primary ratio		3.333
Overall width(mm)		730	1st ratio		2.769
Overall height(mm)		1070	2nd ratio		1.882
Wheelbase(mm)		1345	3th ratio		1.450
Ground clearance(mm)		180	4th ratio		1.217
Net mass(no load) (Kg)		105	5th ratio		1.083
Steering angle		42°	Terminal ratio		3.000
Max. load mass(Kg)		150	Frame type		Steel pipe & Moulding material
Max. speed(Km/h)		≥ 90.0	Front Suspension type		Sleeve type, oil damping cushion
Econo.Fuel Cons. (L/100km)		2.1	Rear Suspension type		Swing type, oil damping cushion
Model of engine		244FMI	Front brake		Drum/disc type, by hand
Double cylinder 4-stroke air-cooled vertical type			Rear brake		Drum, by foot
Bore × stroke(mm)		Ø44 × 41	Front wheel		3.00–18–47P, 4PR/200kpa
Displacement(mL)		124	Rear wheel		3.25–18–52P, 4PR/225kpa
Ignition type		CDI	Magneto motor		Permanent magnetism
Compression ratio		9.4:1	Battery		12V–9Ah
Rated power(Kw/r/min)		8.23/10000	Spark plug		F7TC
Max. torque(N.m/r/min)		≥ 9.98/10500	Headlight		12V–35W/35W
Lubricating oil		15W/40QE	Winkers		12V–10W
Fuel		RQ-90# or fuel of the No over 90#	Rear brake/tail lamp		12V–8W/23W
Start mode		Electric & Kick starter	Horn type		12V
Clutch type		Wet multi-plate	Fuse		15A
Transmission type		Five shifts, gear box			

OPERATION AND MAINTENANCE MANUAL

Circuit Drawing of LF125



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